



Cisco

C9300L-24T-4X-E

Datasheet



Product Overview

- Cisco’s Catalyst 9300 Series represents the flagship stackable enterprise access switching lineup, trusted for modern business networks.
- Designed for businesses seeking scalable access, it fits enterprises, education, government, and distributed branch networks worldwide.
- Highlights include up to 1 TB stacking bandwidth, flexible modular uplinks supporting 100G/40G/25G/10G/1G, and industry-leading Multigigabit support.
- Differentiators such as backward-compatible mixed stacking, 100G IPsec hardware, and StackPower resiliency ensure standout flexibility and security.
- You gain value through simple management choices—on-premises, virtualized, or cloud-based—plus rapid deployment and policy consistency.
- The Catalyst 9300 Series, such as C9300L-24T-4X-E, brings adaptable, secure connectivity with protection for IT investments in evolving hybrid workplaces.

Product Highlights

- **Comprehensive Security Footprint:** On-device and cloud-integrated architecture automates and secures enterprise networks against modern threats.
- **SD-Access Universality:** Software-Defined Access accelerates deployment, centralizes control for branch, campus, and cloud scenarios.
- **Flexible Software Options:** Cisco Catalyst, DNA, and Meraki software subscriptions adapt seamlessly to changing business needson-site or cloud-based.
- **Unified Management Experience:** A single management plane covers wired and wireless networks for consistent security and simplified operations.

Detailed Features



C9300L-24T-4X-E

Quote | Help

Component	Specification
Downlink Ports	24 × 10/100/1000Base-T copper
Uplink Ports	4 × 1G/10G SFP+ (fixed)
Switching Capacity	56 Gbps - 176 Gbps
Forwarding Rate	41.66 Mpps - 130.95 Mpps
Stacking	StackWise-320, up to 320 Gbps



Next-Generation Stacking Bandwidth

The C9300L-24T-4X-E supports up to 320 Gbps of stacking bandwidth using Cisco StackWise-320 technology. This ensures simplified, high-resiliency network expansion and enables seamless Layer 2/Layer 3 stacking with reliable performance in demanding enterprise environments.

Flexible Modular Uplinks

With four fixed 1G/10G SFP+ uplinks, this switch allows network designers to choose from multiple uplink options for high-speed aggregation. The design supports a wide range of port requirements, creating future-proofed deployments for evolving bandwidth needs.

Robust Layer 3 Routing and Scalability

Supporting comprehensive Layer 3 functionalities, including Static, OSPF, EIGRP, and BGP, the product delivers full IPv4/IPv6 routing, multicast, and advanced ACL support, allowing effective segmentation and traffic engineering in complex networks.

Integrated Security and Policy Enforcement

The C9300L-24T-4X-E offers embedded threat detection, policy-based segmentation, and strong access controls through Cisco TrustSec and MACsec AES-256 encryption. This assures compliance and safeguards data from campus edge to cloud.

Cloud and On-Premises Management

Administrators can manage the switch using Cisco's on-premises tools or seamlessly migrate to cloud management with Cisco Meraki, ensuring flexible operation as needs change.

High Density and Virtualization Support

With support for up to 4094 VLANs and 1000 SVIs, plus full network virtualization, enterprises can efficiently consolidate services and segments on a single access platform, improving manageability and scalability.

Versatile Hardware Performance

The device delivers up to 176 Gbps switching capacity, 32,000 MAC address entries, and 64,000 NetFlow entries. These capabilities meet modern application demands and support large-scale, multi-tenant sites.

Sustainable Investment Protection

Redundant fans, dual power supply options, and backward-compatible stacking and power hardware enable smooth upgrades and long lifecycles, reducing downtime and maximizing infrastructure ROI.

Technical Specifications

Product Specifications

Feature	Value
Designed to Replace	Catalyst 3850
Supported IOS	Network Advantage
Supported IOS	Network Essentials
Network Modules Options	Fixed Modules
Stack Technology	StackWise-320
Stacking Bandwidth	320 Gbps
Total Number of MAC Addresses	32,000
Total Number of IPv4 Routes (ARP plus Learned Routes)	32,000 (24,000 direct routes and 8000 indirect routes)
IPv6 Routing Entries	16,000
Multicast Routing Scale	8,000
QoS Scale Entries	5,120



Feature	Value
ACL Scale Entries	5,120
Packet Buffer per SKU	16 MB buffer for 24 and 48 port Gigabit Ethernet models
Flexible NetFlow (FNF) Entries	64,000 flow on 24- and 48-port Gigabit Ethernet models
DRAM	8 GB
Flash	16 GB
VLAN IDs	4094
Total Switched Virtual Interfaces (SVIs)	1000
Jumbo Frames	9198 bytes
Switching Capacity	56 Gbps
Switching Capacity	176 Gbps
Forwarding Rate	41.66 Mpps
Forwarding Rate	130.95 Mpps

Product Comparison

Feature	C9300L-24T-4X-E	C9300-24H-A	C1000-24T-4X-L
Fixed Ports	24 × 10/100/1000Base-T + 4 × 1G/10G SFP+	24 × 10/100/1000Base-T PoE + 4 × 1G/10G SFP+	24 × 10/100/1000Base-T + 4 × 1G/10G SFP+
Stacking Bandwidth	320 Gbps	480 Gbps	80 Gbps
Switching Capacity	56-176 Gbps	208 Gbps	128 Gbps
Power Over Ethernet (PoE)	No PoE	PoE+ support	No PoE
Redundant Power Supply	Supported	Supported	Supported
MAC Address Table	32,000	32,000	16,000
Layer 3 Routing	Yes	Yes	Static only
Cloud Management	Supported (Meraki integration)	Supported	Supported



Feature	C9300L-24T-4X-E	C9300-24H-A	C1000-24T-4X-L
Management Features	CLI, SNMP, Web, Meraki Dashboard	CLI, SNMP, Web, Meraki Dashboard	CLI, SNMP, Web UI

Accessories

Category	Accessories
Included Accessories	- Power Adapter - Mounting Brackets - Console Cable
Optional Accessories	- SFP Transceiver - Redundant Power Supply - Network Expansion Module



Support & Warranty



24/7 Online
Service



3-Year Premium
Warranty



Professional
Technical Support



100% Low Price
Guarantee



100% Quality
Assurance



100% Money
Back Guarantee

About Us



Router-switch.com, headquartered in Hong Kong since 2002, has been a trusted global leader in ICT distribution for 23 years. We provide cutting-edge networking, cybersecurity, data center, and AI solutions to meet evolving business needs. Our wide range includes products from top brands like Cisco, Arista, Aruba, Fortinet, Mellanox, and Huawei, ensuring access to the latest technology and innovations.

18,000+

global customers

600,000+

end-users

200+

countries & regions

23

years experience

500+

global vendors

100,000+

SKUs available

700+

local sales experts

50-98%

off global list prices

Contact Us

Email

High Connectivity: sales@router-switch.com

Expert Technical Support: ccie-support@router-switch.com

Cooperative Partnerships: ccie-support@router-switch.com

Phone

USA: +1-626-655-0998

Hong Kong: +852-25925389 / +852-25925411

Follow Us

Facebook: [@Routerswitchdotcom](https://www.facebook.com/Routerswitchdotcom)

LinkedIn: [Router-switch.com](https://www.linkedin.com/company/router-switch.com)

X: [@routerswitchcom](https://twitter.com/routerswitchcom)

Instagram: [@routerswitchdotcom](https://www.instagram.com/routerswitchdotcom)

Global Footprint

Global Warehouses & Service Centers Across Continents.



Global Branches

Hong Kong Branch

Rm 605, 6/F, Fa Yuen Comm Bldg, 75-77 Fa Yuen St, Mongkok, Kowloon, Hong Kong, China

USA Branch

35 E Horizon Ridge Pkwy, Ste 110 #30131, Henderson, NV 89002, USA

Shenzhen Branch

Jingfeng Building, 1001 Shangbu South Road, Futian District, Shenzhen, China

UK Branch

Third Floor, 207 Regent Street, London W1B 3HH, UK



References

[1] Cisco. (2024). Catalyst 9300 Series Switches Datasheet. Retrieved from <https://www.cisco.com/c/en/us/products/collateral/switches/catalyst-9300-series-switches/nb-06-cat9300-ser-data-sheet-cte-en.html>